

TRANSMITTAL FOR U.S. PATENT APPLICATION  
UNDER 37 CFR §1.53(b)

**Box Patent Application**  
ASSISTANT COMMISSIONER  
OF PATENTS  
Washington, D.C. 20231

Attorney's Docket: 019843.0204

Sir:

Transmitted herewith for filing is the original patent application of:

Inventor: Tracy J. Welterlen

For: METHOD AND SYSTEM FOR SIMULATING AN UNSTEADY  
FLOW FIELD

Pursuant to 37 C.F.R. § 1.213(a), Applicant respectfully requests that the above-identified patent application not be published under 35 U.S.C. § 122(b). Applicant hereby certifies that the invention disclosed in the above-identified application has not been and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.

Enclosed are:

- (1) 22 pages of Specification, Claims and Abstract;
- (2) 3 pages of Executed Declaration and Power of Attorney;
- (3) 3 pages of Formal Drawings;
- (4) 1 page of an Assignment of the invention to Lockheed Martin Corporation;
- (5) 1 page of separate cover sheet in compliance with 37 C.F.R. § 3.28 and § 3.31 is included with an Assignment recordal fee of \$40.00 pursuant to 37 C.F.R. § 1.21(h);
- (6) 1 page Certificate of Mailing by Express Mail;
- (7) 1 page Patent Application Bibliographic Datasheet (PrintEFS Version 1.0.1);
- (8) 1 page Information Disclosure Statement with attached PTO-1449 Form (1 page) and 1 reference Acco bound; and
- (9) This Transmittal Form with attached patent application filing fee in the amount of \$844.00.

| FEE CALCULATION    |        |    |              |          | FEE                |
|--------------------|--------|----|--------------|----------|--------------------|
|                    | Number |    | Number Extra | Rate     | Basic Fee \$710.00 |
| Total Claims       | 23     | 20 | 3            | X \$18 = | 54.00              |
| Independent Claims | 4      | 3  |              | X \$80 = | 80.00              |
| TOTAL FILING FEE = |        |    |              |          | \$844.00           |

Enclosed is a check in the amount of \$844.00 for the filing fee. Please charge any additional fees or credit any overpayment to Deposit Account No. 02-0384 of Baker Botts L.L.P.

BAKER BOTTS L.L.P.  
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Date: 4/20/01

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Tracy J. Welterlen  
Date Filed: April 20, 2001  
Title: *METHOD AND SYSTEM FOR SIMULATING AN  
UNSTEADY FLOW FIELD*

**BOX PATENT APPLICATION**

Honorable Assistant Commissioner  
of Patents

Washington, D.C. 20231

Dear Sir:

**CERTIFICATE OF MAILING BY EXPRESS MAIL**

I hereby certify that the attached Patent Application, Declaration and Power of Attorney, Formal Drawings, Assignment, Assignment Recordation Form, Fee Transmittal Sheet, Bibliographic Data Sheet, Information Disclosure Statement and Form PTO-1449, this Certificate of Mailing and checks in the amount of \$844.00 and \$40.00 are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 on this 20<sup>th</sup> day of April, 2001 and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

*Willie Jiles*

Willie Jiles

Express Mail Receipt  
No. EL 759189623 US